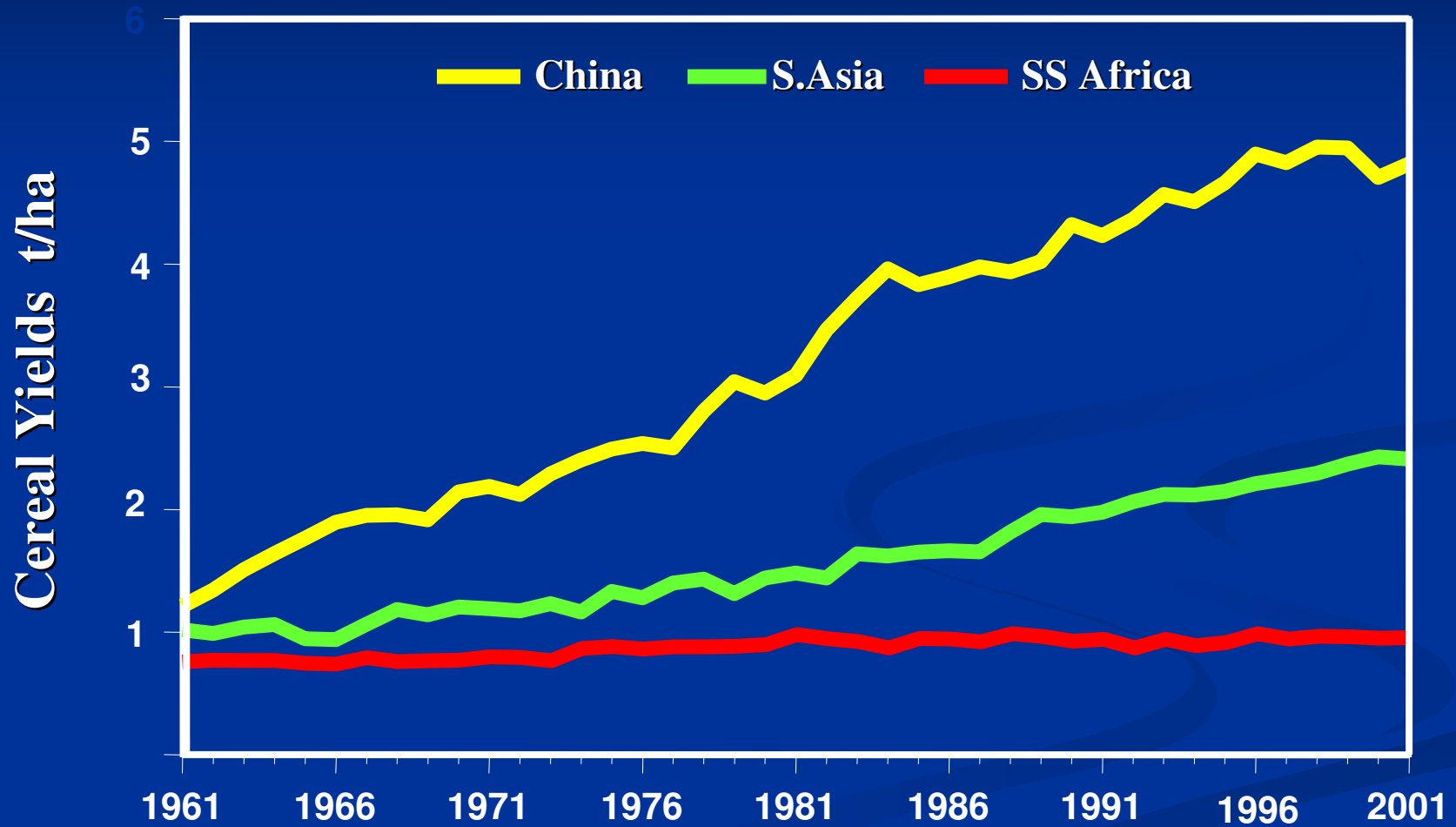


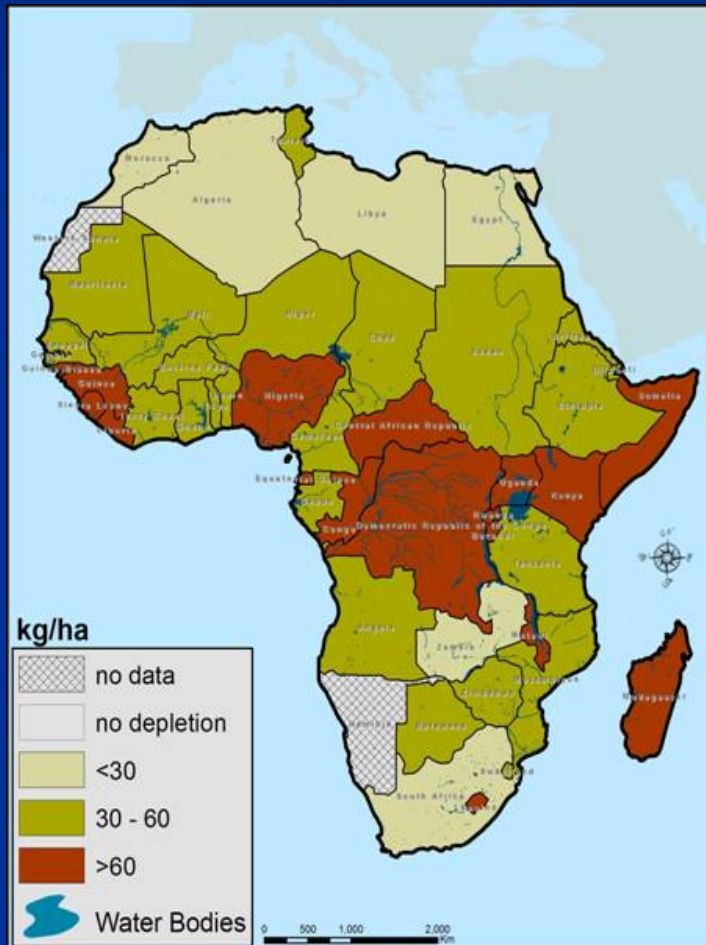
# Cereal production in China, S. Asia and SSA



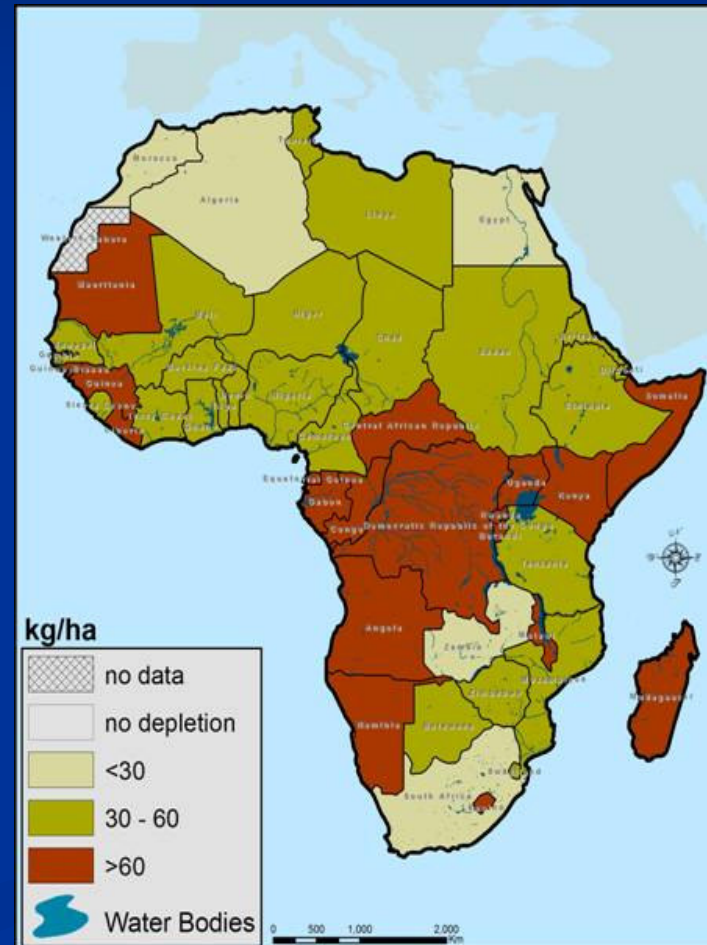
Source: FAOSTAT (2001)

# SOIL NUTRIENT MINING IS KILLING AFRICA

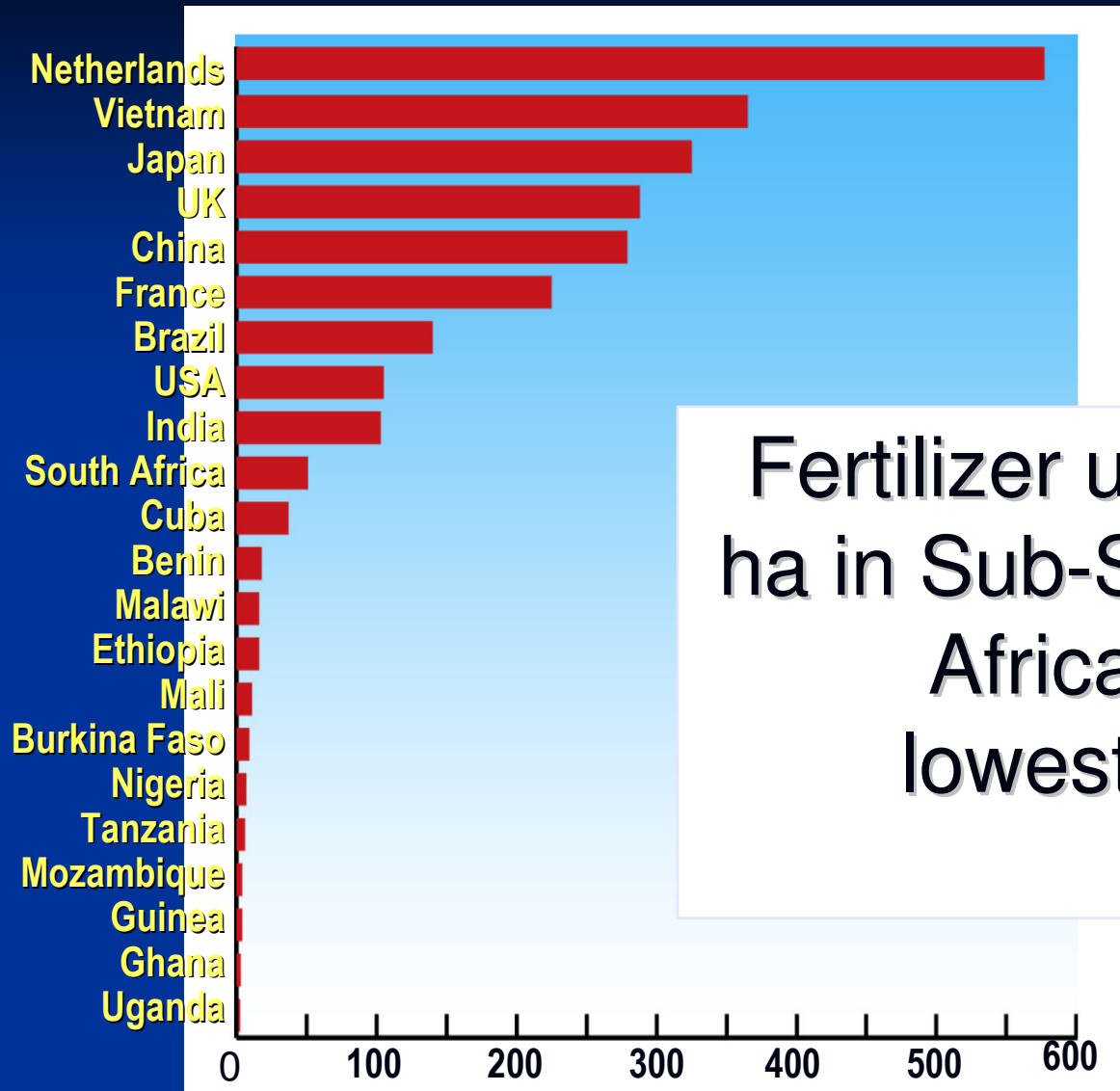
1995-97



2002-04



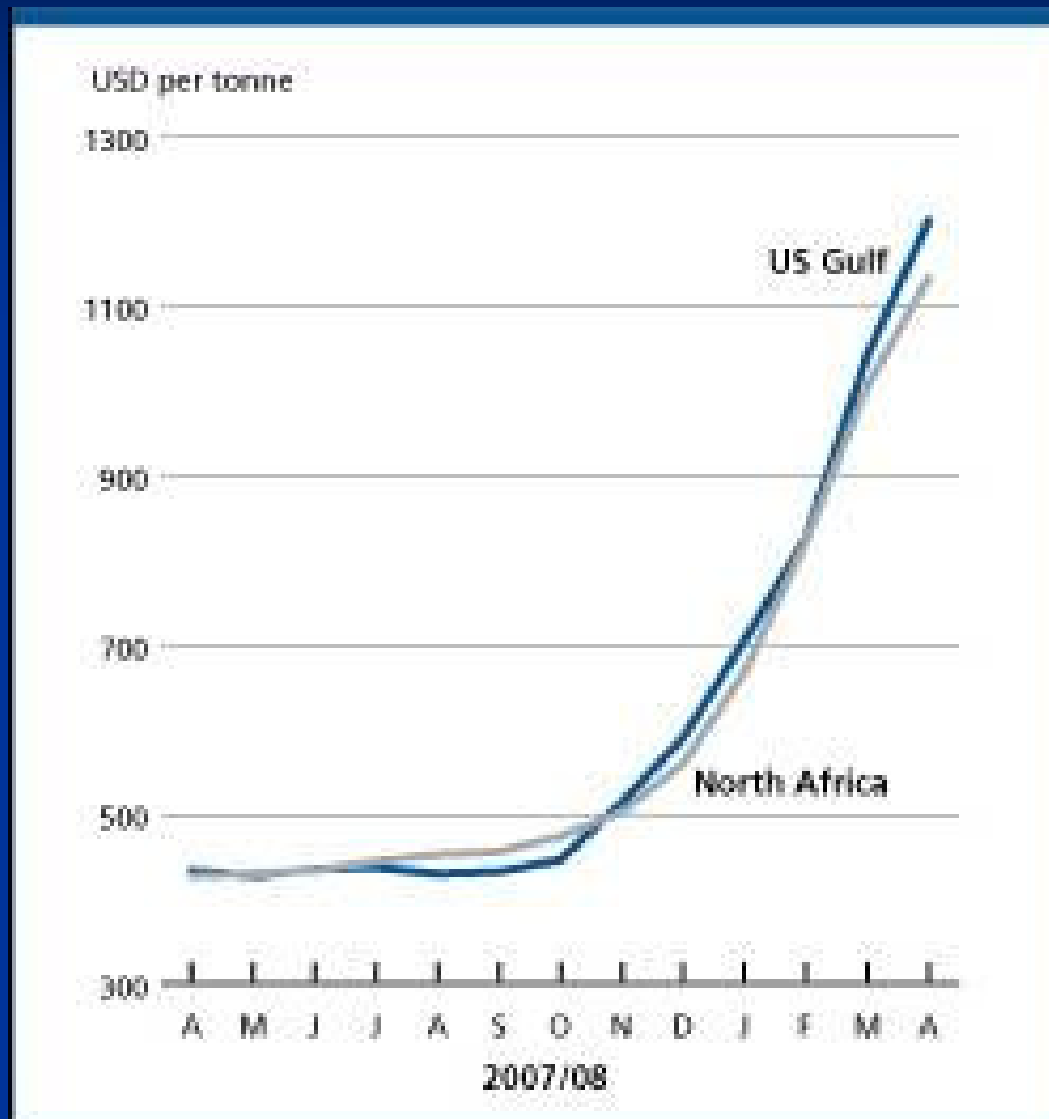
Source: IFDC



Fertilizer use per ha in Sub-Saharan Africa is the lowest in the world

Source: FAOSTAT, July 2003; Norman Borlaug, 2004

# DAP price



# Possible response to the crisis

- Need a twin-track solution framework to solve food crisis:
  - Short-term
    - address issues of impact on vulnerable consumers
  - Medium to long-term
    - rapid agricultural productivity growth and supply response
    - Need a Green Revolution

# Green Revolution in Asia vs Africa

## Asia

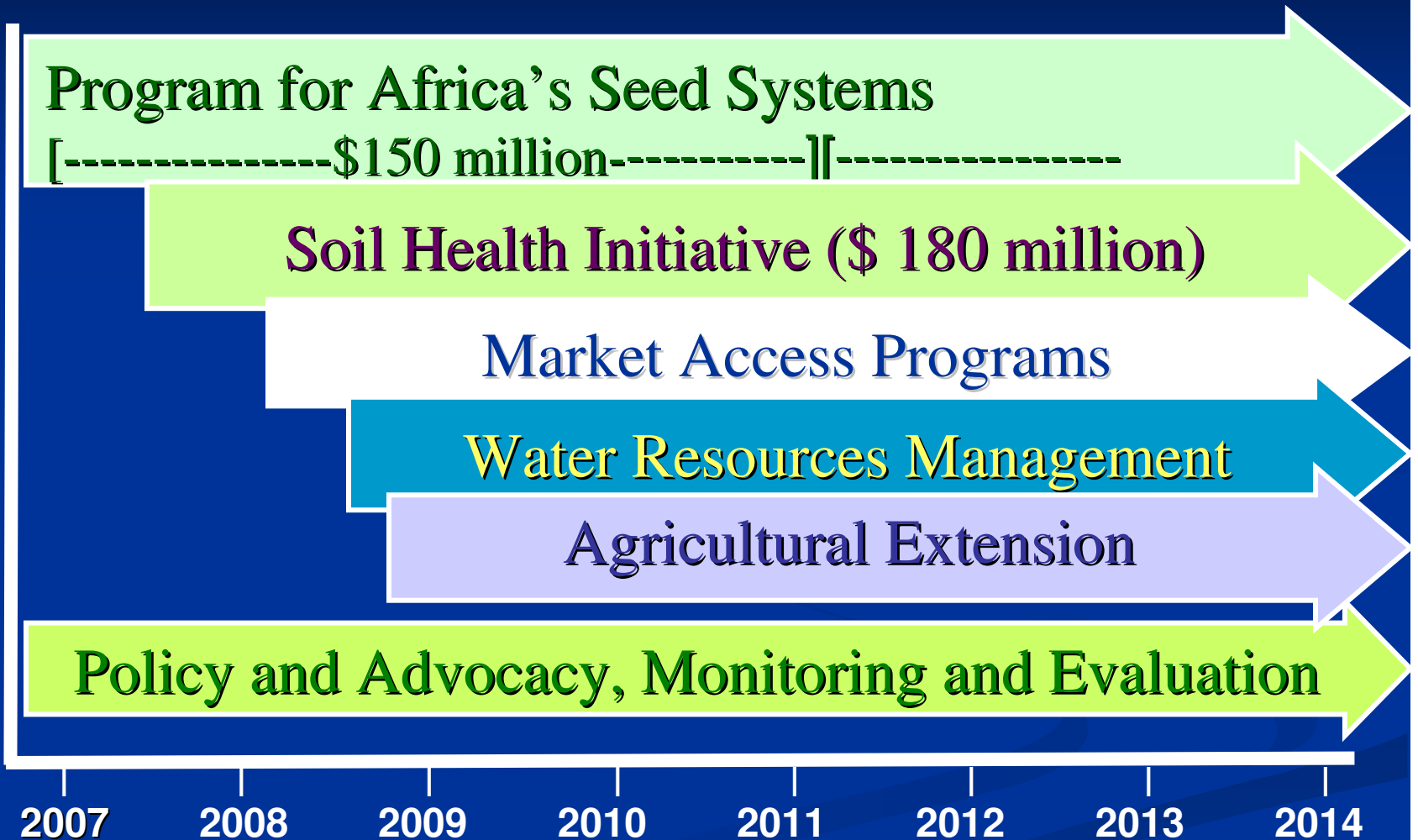
- 2 highly researched crops with high yielding var.
- Large agro-ecologies
- Irrigation
- High use of fertilizer
- Fairly good infrastructure
- Government support and enabling policies

## Situation in Africa

- Many low yielding food crops with little research
- Diverse agro-ecologies
- Rain-fed agriculture
- Little use of fertilizer
- Poor infrastructure
- No government support and confused policies

# AGRA Programs

Investments for the  
Green Revolution





**Thank You**